

10/586830

MTS-3606US

APPROVED FOR PTO 10 JUL 2006

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No: To be assigned  
Applicant: Hidenobu HAMADA  
Filed: Herewith  
Title: OPTICAL DEVICE, AND PRODUCTION METHOD FOR PHOTONIC CRYSTAL  
SLAB  
TC/A.U.:  
Examiner:  
Confirmation No.:  
Docket No.: MTS-3606US

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

S I R :

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO/SB/08a and /08b submitted herewith. Copies of the references listed are enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

The following references are not in the English language:

- 1) JP 2003-240989
- 2) JP 2002-365599
- 3) JP 2001-272566
- 4) JP 9-5549
- 5) JP 6-222234
- 6) JP 2004-086070

AP20 Rec'd PCT/PTO 20 JUL 2006

7) JP 2001-091701

8) JP 2001-337236

References 1) to 6) were cited in a search report by a foreign Patent Office in a patent application corresponding to the above-identified patent application. A copy of this search report, which indicates the degree of relevance found by the foreign office, is transmitted herewith.

References 6) to 8) include an English language Abstract.

This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Respectfully submitted,

Rather Prestia

Lawrence E. Ashery, Reg. No. 34,515  
Attorney for Applicant

LEA/bj

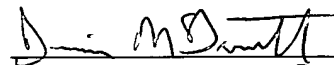
Enclosures: PTO/SB/08a and /08b  
11 References  
Search Report

Dated: July 20, 2006

The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. **18-0350** of any fees associated with this communication.

**EXPRESS MAIL** Mailing Label Number: EV 792137032 US  
Date of Deposit: July 20, 2006

I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Dennis McDermott

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 1 of 2

## Complete if Known

Application Number	To be assigned <b>10/586830</b>
Filing Date	Herewith
First Named Inventor	Hidenobu HAMADA
Art Unit	
Examiner Name	
Attorney Docket No.	MTS-3606US

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-			
		US-			
		US-			
		US-			
		US-			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		JP 2003-240989	08-27-2003	Matsushita Electric Industrial Co., Ltd.		<input type="checkbox"/>
		JP 2002-365599	12-18-2002	Agilent Technologies Inc.		<input type="checkbox"/>
		JP 2001-272566	10-25-2001	Minolta Co, Ltd.		<input type="checkbox"/>
		JP 9-5549	01-10-1997	Sumitomo Electric Industries, Ltd.		<input type="checkbox"/>
		JP 6-222234	08-12-1994	Osaka Gas Co, Ltd.		<input type="checkbox"/>
		JP 2004-086070 (w/English Abstract)	03-18-2004	Matsushita Electric Industrial Co., Ltd.		<input type="checkbox"/>
		JP 2001-091701 (w/English Abstract)	04-06-2001	Kawakami Shojiro Autocloning Technology:KK		
		JP 2001-337236	12-07-2001	Nippon Telegr & Teleph Corp.		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

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The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Filing Date	Herewith
First Named Inventor	Hidenobu HAMADA
Art Unit	
Examiner Name	
Attorney Docket No.	MTS-3606US

SHEET 2 of 2

## NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		M.D.B. CHARLTON et al., "GUIDED MODE ANALYSIS, AND FABRICATION OF A 2-DIMENSIONAL VISIBLE PHOTONIC BAND STRUCTURE CONFINED WITHIN A PLANAR SEMICONDUCTOR WAVEGUIDE," Materials Science & Engineering B49, 1997, pp 155-165, Vol. 49, No. 2, Elsevier Science S.A., USA	<input type="checkbox"/>
		STEVEN G. JOHNSON et al., "GUIDED MODES IN PHOTONIC CRYSTAL SLABS," Physical Review B, 1999, pp 5751-5758, Vol. 60, No. 8, The American Physical Society, USA	<input type="checkbox"/>
		CLAUDE WEISBUSH et al., "3D CONTROL OF LIGHT IN WAVEGUIDE-BASED TWO-DIMENSIONAL PHOTONIC CRYSTALS," IEICE Trans. on Electronics, 2001, pp 660-668, Vol E84-C, No. 5.	<input type="checkbox"/>
		International Search Report for corresponding International PCT Application No. PCT/JP2004/018509 dated March 29, 2005.	<input type="checkbox"/>
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Examiner Signature		Date Considered	
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<sup>1</sup>Applicant's unique citation designation number (optional).

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